

# Leadership Resume

## EDUCATION

### **Doctorate of Philosophy in Electrical Engineering**

*May 2015*

*(Expected)*

Emphasis: Delay Tolerant Networking, Wireless Networks and Cyber Physical Systems

**GPA: 3.51/4.00**

University of Florida, Gainesville, FL

### **Masters of Science in Electrical Engineering**

*May*

*2012*

Emphasis: Wireless Systems and Controls

University of Florida, Gainesville, FL

### **Masters of Science in Electrical Engineering**

*June*

*2010*

Emphasis: Control Systems

California State University Los Angeles, Los Angeles, CA

### **Bachelor of Science in Computer Engineering** *May 2008*

Minor: Mathematics

San Jose State University, San Jose, CA

## **NSBE LEADERSHIP**

### **National Treasurer**

*May 2012 – Present*

- Managed the budget and protected the integrity of the entire society (~\$10m operationally, ~\$12m in reserves)
- Restructured and introduced new sustainable financial models

- Strategically placed funds in areas that supported the mission of the organization.
- Managed the National Finance Zone
- Chaired the Convention Planning Committee Task Force (CPC Task Force)
- Chaired the Funds Management Committee

### **Region Six Chairperson Emeritus and Parliamentarian**

*May 2009 – April 2010*

- Advised the Region Six administrative and finance zone.
- Facilitated Region Six meetings

### **CAMS NSBE Jr. Chapter Co-Advisor**

*May 2009 –*

*April 2010*

- Organized meetings for NSBE Jr. Students
- Helped prepare students for the SAT/ACT
- Assisted students in their college applications
- Assisted students in robot building and solar panel car design

### **Region Six Chairperson**

*May 2008 – April 2009*

- Served on the National Executive Board responsible for key organization decisions.
- Managed 20 Executive Board Members across the west coast.
- Served as the liaison for Region Six members to the Regional and National Executive Board

### **Region Six Treasurer**

*May 2007 – April 2008*

- Managed \$125,000.00 Regional Budget to facilitate three conferences.

- Advised Region Six Chapter Treasurers

### **SJSU Chapter Telecommunications Chairperson**

*May 2005 – April 2008*

- Created and managed the chapter website
- Managed the communications zone

### **SJSU Chapter PCI Chairperson**

*May 2006 – April 2007*

- Organized meetings and programs for high school students
- Advised/mentored high school students about college
- Chaperoned students to conferences

### **SJSU Chapter Historian**

*May 2004 – April 2005*

- Photographer during meetings and programs
- Kept track of accomplishments of the chapter during the year

### **SJSU Chapter Senator**

*May 2004 – April 2005*

- Listened to National and Regional candidates platforms and voted for candidates on behalf of my chapter

### **NSBE LEADERSHIP Training**

- National Leadership Institute (2013)
- National Leadership Institute (2012)
- Region Six Transition Meeting (2009)
- National Leadership Institute (2008)
- National Executive Board Transition Meeting (2008)
- National Leadership Institute (2007)

- Region Six Transition Meeting (2008)
- Region Six Transition Meeting (2007)
- Region Six Transition Meeting (2006)

## **WORK EXPERIENCE**

**Intel**, Santa Clara, CA

*October 2012 – January 2013*

*RF Architecture Intern*

- Conducted research on Bluetooth 4.0 RSSI proximity detection and implementation.

**Intel**, Hillsboro, OR

*May 2012 – August 2012*

*Graduate Intern*

- Part of the Intel Collaborators program. Helped manage and program a team that enabled one button touch gaming on wireless displays using C, C++, and C#. Also conducted research on Bluetooth 4.0 RSSI proximity detection.

**Intel**, Santa Clara, CA

*June 2010 – August 2010*

*Software Engineering Graduate Intern*

- Wrote code in an Intel proprietary language for Intel graphic cards to test cards performance and identify bugs in the compiler.

**Hewlett Packard**, Cupertino, CA

*February 2007 – August 2008*

*Software Engineering Intern*

- Wrote test automation code using VB Script for HP Itanium Servers. Scripts tested HP's Software Management Software and made sure servers were reporting accurate system information.

## **RESEARCH EXPERIENCE**

**University of Florida**, Wireless and Mobile Systems Laboratory,  
Gainesville FL *August 2010 – Present*

Conducted research under Dr. Janise McNair in Wireless Networks in the area of Cyber Physical Systems. Investigating socially aware delay tolerant networking using short-range communications such as Bluetooth.

**University of Southern California**, Brain and Body Dynamics Lab, Los Angeles CA *February 2009 – May 2010*

*Thesis: Design and Implementation of a Non-Linear Dynamical System Replicating Spring Buckling Behavior*

Conducted research under Dr. Francisco Valero-Cuevas to use a linear motor in place of a spring to replicate the edge of instability using the duffing equation. The device can be used to measure the strength and dexterity of a patient's hand and how much vision factors in when dexterity deteriorates.

## **HONORS & ACHIEVEMENTS**

- Intel Scholar/The National GEM Consortium Fellow, PhD (2010–present)
- NSF LSAMP Bridges to the Doctorate Fellow (2008–2010)
- Hewlett Packard Scholar (2004–2008)
- NSBE Silicon Valley Chapter Scholarship (2008)
- NSBE Chapter Executive Board Member of the year (2005–2006)